

CURRICULUM VITAE



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1. Research Interests:

- Power System Modeling
- Power System Load Fore-Costing.
- Power System Restructuring /Deregulation.
- Optimal Power Dispatch and Security Analysis.
- Power System Dynamics
- Power System Operation, Control, and Planning.
- Flexible AC Transmission Systems (FACTS), Static and Dynamic Modeling of FACTS Controllers.
- Placement of FACTS controllers in Multi-Machine Power System Environments
- Optimal Location of Distributed Generation (DG) by AI Techniques in Power Systems
- Control Coordination of FACTS Controllers in multi-machine Power System Environments
- Application of Fuzzy Logic, Genetic Algorithms, and Artificial Neural Networks to emerging power systems
- Application of PMUs to Power System Networks
- Power Quality Problems
- Vector Control and DTC Method for Speed Control of Three Phase Induction Motors
- PWM/SVPMW techniques for Speed Control of Three Phase Induction Motors
- Application of Matrix Converter and Z-source in Three Phase Induction Motors

2. Educational /Professionals Qualifications:

Doctor of Philosophy (Ph.D.): from **Gautam Budha Technical University (GBTU)**, Lucknow, U.P. India, Year of completion: In progress

*Topic for PhD Thesis: **Impact Assessment of Optimally Placed of DG and FACTS Controller in Power Systems.***

Masters of Technology (M. Tech.): In Power Systems Engineering, from Department of Electrical Engineering, **Indian Institute of Technology (I.I.T.R.)**, Roorkee, Uttaranchal, India, Year of completion: July, 2001.

*Topic for M. Tech. Seminar: **HVDC Control for System Dynamic Performance***

*Topic for M. Tech. Minor Project: **Assessment of on-Line Tap Changing Transformer Tap (OLTC) on Reactive Power Pricing***

*Topic for M. Tech. Dissertation: **PC based Harmonic Analyzers in Power Systems***

Bachelor of Engineering (B.E.): In Electrical Engineering, from Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur-273010(U.P.), India, Affiliated with Deen Dayal Upadhyay (DDU) University of Gorakhpur, Gorakhpur, India. Year of completion: July 1999.

Topic for B. Tech. Seminar: *EHV AC & DC Transmission Systems*

Topic for B. Tech. Project: *Simulation and Thyristorised Seed Control of Single Phase Induction Motor Drives*

3. Details of Employment/Professional Experience :(See Annexure-I)

| Institution/ Organization | Post held | Duration | | Scale of pay and basic pay | Nature of duties |
|--|------------------------|------------------------------|-----------------------------|---|------------------|
| | | From | To | | |
| Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur, India-273010 (U.P.) | Adoc. Lecturer | 1 st January 2001 | 31 st July 2002 | 12000/= Per Month Maximum | Adoc. Lecturer |
| Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad (U.P.), India | Sr. Lecturer | 1 st August 2002 | 31 st July 2003 | 10000-420-18300 Basic Pay =12100/= | Permanent |
| Raj Kumar Goel Institute of Technology (RKGLET) Ghaziabad, U.P., India | Asst. Prof. | 1 st August 2003 | 30 th June 2004 | 12000-520-24600 Basic Pay =14080/= | Permanent |
| Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad (U.P.), India | Asst.Prof.& Head (HOD) | 31 July 2004 | 30 th June 2006 | 12000-520-24600 Basic Pay =14920/= | Permanent |
| Krishna Engineering College (KEC), Mohannagar, Ghaziabad (U.P.), India, | Asst. Prof. | 1 st July 2006 | 30 th Aril 2008 | 12000-520-24600 Basic Pay =14600/= | Permanent |
| Krishna Engineering College (KEC), Mohannagar, Ghaziabad (U.P.), India, | Associate Professor | 1 st May 2008 | 9 th August 2009 | 14000-26800 Basic pay =15600/= | Permanent |
| Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118 (U.P.), India | Assistant Professor | 10 th August 2009 | Till date | 15600-39100+6000 (AGP) Basic pay =23981/= (gross salary =Rs. 37851/=00) | Permanent |

4. Teaching Subjects at UG and PG Levels:

B. Tech. Courses Taught:

- Basic Electrical Engineering(EE)
- Networks Analysis& Synthesis(NAS)
- Electrical Measurement & Measuring Instruments (EMMI)
- Instrumentation and Process Control (IPC)
- Electrical Machines (EMEC-I & EMEC-II)
- Power Electronics (PE)
- Power System Analysis (PSA)
- Elements of Power Systems (EPS)
- Control Systems (CS)
- Automatic Control System
- Advanced Control Systems (ACS)
- Electric Drives (ED)
- Power System Operation and Control (PSOC)
- Extra High Voltage AC/DC Transmission Systems
- High Voltage Engineering (HVE)
- Basic System Analysis (BSA)
- Electro-Magnetic Field Theory (EMFT)

M. Tech. Courses Taught:

- Extra High Voltage AC/DC Transmission Systems
- Advanced Control Systems (ACS)
- High Voltage Engineering
- FACTS controllers & its Modeling, Simulations and Applications
- Power System Operation and Control (PSOC)
- Power Convertors-I (PC-I)
- Power Convertors-II (PC-II)
- Fundamentals of Electric Drives (FED)
- Power Quality (PQ)
- Non-Conventional Energy Sources (NCER)

5. Publications: (See Annexure-II)

| Type of Publications | Refereed Journals | | Conferences/Seminar | |
|----------------------|-------------------|--------------|---------------------|--------------|
| | Published | Under Review | Published | Under Review |
| International | 19 | 2 | 9 | 3 |
| National | 02 | 1 | 19 | 2 |

6. B.Tech. Seminar/Project and M.Tech. Minor Project/Dissertation Guided/ Guiding : (See Annexure-III)

| Level | National Level | International Level |
|--|----------------|---------------------|
| B.Tech. Seminar Guided/Guiding | 06 | - |
| B.Tech. Project Guided/Guiding | 07 | - |
| M.Tech. Minar Project Guided/Guiding | 04 | - |
| M.Tech. Thesis/Dissertation Guided/Guiding | 06 | - |

7. Reviewed for The National/ International Journals Papers: (See Annexure-IV)

| Journals | No. of Papers Reviewed | No. of Papers Reviewed Selected for Publications |
|------------------------|------------------------|--|
| National Journals | 02 | 01 |
| International Journals | 23 | 07 |

8. Reviewed for The National/ International Books: (See Annexure-IV)

| Journals | No. of Papers Reviewed | No. of books Reviewed Selected for Publications |
|---------------------|------------------------|---|
| National Books | 01 | 01 |
| International Books | - | - |

9. Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Delivered: (See Annexure-V)

| Type of Activities | National Level | International Level |
|--------------------|----------------|---------------------|
| Expert Lectures | 5 | - |
| Key Note Addresses | - | - |
| Tutorial | - | - |
| Invited Talk | - | - |
| Plenary Lecture | - | - |

10. Expert Lectures /Plenary Lectures Key Note Addresses/Tutorial /Invited Talk Attended (See Annexure-V)

| Type of Activities | National Level | International Level |
|--------------------|----------------|---------------------|
| Expert Lectures | 02 | 01 |
| Key Note Addresses | 06 | 03 |
| Tutorial | 02 | 01 |
| Invited Talk | 01 | 03 |
| Plenary Lecture | 10 | 02 |

11. Workshop / Short term Courses/Seminar/Conferences/FDP Attended: (See Annexure-VI)

| Type of Activities | National Level | International Level |
|--------------------|----------------|---------------------|
| Workshop | 01 | - |
| Short Term Courses | 01 | - |
| Seminar | 01 | - |
| Conference | 01 | - |
| FDP Attended | - | - |

12. Workshop / Short term Courses/Seminar/Conferences/FDP Organized: (See Annexure-VI)

| Type of Activities | National Level | International Level |
|--------------------|----------------|---------------------|
| Workshop | 01 | -- |
| Short Term Courses | 03 | - |
| Seminar | - | - |
| Conference | 01 | - |
| FDP Organized | - | - |

13. Administrative Post Held/ Member Academic Bodies :(See Annexure-VII)

| Level | National Level | International Level |
|-----------------------------------|----------------|---------------------|
| Institute Level Responsibilities | 06 | - |
| University Level Responsibilities | 21 | - |
| Others Responsibilities | 01 | - |

14. Session Chair in Seminar/Conference/Others Activities :(See Annexure-VIII)

| Level | National Level | International Level |
|------------------------------------|----------------|---------------------|
| Session Chair in Seminar | 01 | - |
| Session Chair in Conference | 01 | - |
| Session Chair in others Activities | 01 | - |

15. Membership of Professional Bodies:

| Nature of Duties | National Level | International Level |
|------------------------|----------------|---------------------|
| Reviewer | 15 | 08 |
| Editorial Board Member | 04 | 10 |
| Associate Editors | 01 | 01 |
| Editor-in-chief | - | - |

16. Research Projects: (see Annexure-VIV)

| Name of Project | National Level Project | International Level Project |
|--|------------------------|-----------------------------|
| Optimal location of FACTS controllers in Emerging Power Systems | 01 | - |
| Optimal location of Distributed Generations in Large-Scale Power Systems | 01 | - |

17. Other Professional Contributions:

- I was actively involved with the establishment of Power Electronics, Power Systems, Electrical machines, Electrical Engineering Laboratory, **Dr. KNMIET, Modinagar, Ghaziabad, U.P., India.**
- Development/Fabrication of New Equipment--Two (**PC based Harmonic Analyzer Setup and Model of 300KM Transmission Line**), at **Dr. KNMIET, Modinagar, Ghaziabad, U.P., India.**

18. Books/ Teaching Aid Material:

- A Text book on "**Fundamental of Network Analysis & Synthesis**" In Progress.
- A Text book on "**Fundamental of FACTS Controllers and its Placement & Coordination in large-scale Power System Networks**" In Progress.
- A Text book on "**Fundamental of Electrical Engineering**" In Progress.

19. Editor-in-chief/Editor/Sub-Editor/Reviewer for National/ International Journals:

- International Journal of Soft Computing and Engineering (IJSCE) (See Annexure-III)
- IEEE Transactions on Power Systems (See Annexure-III).
- IEEE Transactions on Power Delivery (See Annexure-III).
- IET Generation-Transmission-Distribution journal (See Annexure-III)
- International Journal of Engineering Science and Technology (IJEST), Denmark (See Annexure-III).
- Electric Power components& Systems journals (See Annexure-III).
- Journal of Electrical & Electronics Engineering Research (JEEER) (See Annexure-III).
- International Journal of Computer Systems Science &Engineering (IJCSSE), Curtin University of Technology, Australia (See Annexure-III).
- Turkish Journal of Electrical Engineering & Computer Sciences(See Annexure-III).
- Iranian Journal of Electrical and Computer Engineering (See Annexure-III).
- International Journal of Soft Computing and Engineering (IJSCE) (See Annexure-III).
- International Journal of Engineering Allied Science (IJEAS) (See Annexure-III).

20. References:

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9 Dr S P Singh

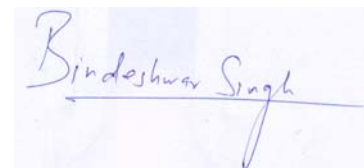
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10 Prof. D. Tukaram

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21. Personal Information:

Father's name: Murali Dhar Singh
Date and Place of Birth: 21st January, 1975, Deoria (U.P.), India
Sex: Male
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Annexure-I**Details of Employment/Professional Experience:**

1. Working as an **Adoc. Lecturer** in *Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur, India, from January 2001 to July 2002.*
2. Working as a **Sr. Lecturer** in *Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad, India, from August 2002 to July 2003.*
3. Working as an **Asst. Prof.** in *Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, U.P., India, from August 2003 to June 2004.*
4. Working as an **Asst. Prof. & Head (HOD)** in *Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad, India, from July 2004 to June 2006.*
5. Working as an **Asst. Prof.** in *Krishna Engineering College (KEC), Mohannagar, Ghaziabad, India, from July 2006 to April 2008.*
6. Working as an **Associate Professor** in *Krishna Engineering College (KEC), Mohannagar, Ghaziabad, India, from May 2008 to July 2009.*
7. Working as an **Assistant Professor** in *Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118 (U.P.), India, from 10th August 2009 to till date.*

Annexure-II**LIST OF PUBLICATIONS****INTERNATIONAL JOURNALS:**

1. **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "A Comprehensive Survey of Optimal Placement and Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments,"** *International journal of Electrical Engineering and Technology, JEET, (Korean Institute of Electrical Engineers), Vol. 5, No. 1, March 2010, pp. 79-101.*
2. **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "Prevention of Voltage Instability by Using FACTS Controllers in Power Systems: A Literature Survey,"** *International journal of Engineering Science and Technology (IJEST), Vol. 2, No. 5, May 2010, pp. 980-992.*
3. **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, K.S. Verma, and Deependra Singh "A Status review of Incorporation of FACTS Controllers in Multi-Machine Power Systems for Enhancement of Damping of Power System Oscillations and Voltage Stability,"** *International journal of Engineering Science and Technology (IJEST), Vol. 2, No. 6, June 2010, pp. 198-205.*
4. **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, "A Study on Enhancement of Loadability of Large-Scale Emerging Power Systems by Using FACTS Controllers,"** *International journal of Computer Science and Engineering (IJCSSE), Vol. 2, No. 5, August 2010, pp. 1893-1903.*
5. **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, "Application of Computational Intelligence Techniques for Optimal Placement of FACTS Controllers in Large-Scale Emerging Power System Networks,"** *International journal of Computer Science Systems and Engineering (IJCSSE), University of Curtin, Australia Vol. 1, No. 1, August 2010, pp. 1893-1903 (ACCEPTED).*
6. **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, and S.P.Singh, "Incorporation of FACTS controllers in Newton Raphson Load Flow for Power Flow Operation, Control, and Planning Point of View: A Comprehensive Survey"** *International journal of Computer Science and Engineering (IJCSSE), Vol. 2, No. 6, September 2010, pp. 1893-1903.*
7. **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "A Comprehensive Survey of Optimal Placement and Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments: A state-of-the-art"** *International journal of Power System Optimizations (IJPSO), Vol. 2, No. 2, June-December, 2010, pp. 79-101.*

8. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Enhancement of Power System Stability by Using FACTS Controllers in an Integrated Power System Networks**” *International journal of Power System Optimizations (IJPSO)*, Vol. 2, No. 1, January- June,2011 (ACCEPTED).
9. **Bindeshwar Singh**, S.P.Singh, J.Singh, and Mohd. Naim,“ **PERFORMANCE EVALUATION OF THREE-PHASE INDUCTION MOTOR DRIVE FED FROM Z-SOURCE INVERTER**” *International journal of Computer Science and Engineering (IJCSSE)*, Vol. 3, No.3, March, 2011, pp. 1277-1289.
10. **Bindeshwar Singh**, N.K.Sharma, A. N. Tiwari, K S. Verma, and S. N. Singh “**Applications of Phasor Measurement Units (PMUs) in Electric Power System Networks Incorporated with FACTS Controllers**” *International Journal of Engineering, Science and Technology (IJEST)*, Denmark Technical University, Denmark, Vol.3 , Issues 3 , pp.62-84, June-July 2011.
11. Mohd. Naim, **Bindeshwar Singh**, and Jaswant Singh, “**Improvement of Power Factor and Reduction of Harmonics in Three-Phase Induction Motor by PWM Techniques:A Comprehensive Literature Survey,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 3, June-July 2011, pp. 257-269.
12. **Bindeshwar Singh**, “**Applications of FACTS Controllers in Power Systems for Enhance the Power System Stability: A State-of-the-art**” *International Journal of Reviews in Computing (IJRIC)*, July 2011, Vol. 6, pp.40-69.
13. Ravindra kumar, Surya Prakash Singh, K.S. Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Voltage Sags Characterization and Its Impact Assessment on Equipment Behaviour,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 4, August-September 2011, pp. 302-313.
14. Ravindra kumar, Surya Prakash Singh, K.S. Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Voltage Sags Characterization and Their Mitigation using custom power devices,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 4, August-September 2011, pp. 320-335.
15. **Bindeshwar Singh**, “**Utilities of Differential Algebraic Equations (DAE) Model of SVC and TCSC for Operation, Control, Planning & Protection of Power System Environments,**” *International Journal of Reviews in Computing (IJRIC)*, September 2011, Vol. 7, pp.55-64.
16. Jaswant Singh, **Bindeshwar Singh**, Surya Prakash Singh, Mohd. Naim & Rajneesh Mishra, “**Enhancement of Performance Parameters of Three Phase Induction Motor by Vector Control Methods,**” *International Journal of Computational Intelligence Research & Applications (IJCIRA)*, Vol.5, No.1, 2011, Pages: 41-61.
17. **Bindeshwar Singh**, K.S. Verma, Deependra Singh, and S.N. Singh “**A Novel Approach for Optimal Placement of Distributed Generation & FACTS Controllers in Power Systems: An Overview and Key Issues,**” *International Journal of Reviews in Computing (IJRIC)*, September 2011, Vol. 7, pp.44-54.
18. **Bindeshwar Singh**, Padma Chaturvedi, S.K. Sinha, A.S.Pandey, And S.P. Singh, “**Enhancement of the Performance Parameters of three phase Induction Motor Using Multilevel Converters: A Literature Survey,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.34-46.
19. **Bindeshwar Singh**, K.S. Verma, Deependra Singh , C.N. Singh, Archana Singh, Ekta Agrawal, Rahul Dixit, and Baljiv Tyagi, “**Introduction to FACTS Controllers,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.47-56.
20. **Bindeshwar Singh**, Indresh Yadav, and Dilip kumar, “**Mitigation of Power Quality Problems by STATCOM and D-STATCOM in an Integrated Power Systems,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.57-68.
21. **Bindeshwar Singh**, K.S. Verma, Deependra Singh, and S.N. Singh, “**Applications of PMUs in an Integrated Power System Environment with FACTS Controllers: A Survey,**” *Journal of Automation and System Engineering (JASE)*, Vol.5, No.1, March 2011.
22. **Bindeshwar Singh**, Indresh Yadav, and Dilip Kumar “**Mitigation of Power Quality Problems Using FACTS Controllers in an Integrated Power System Environment: A Comprehensive Survey**” *International Journal of Computer Science and Artificial Intelligence (IJCSAI)*, Vol.1, Issue 1. pp.1-12, December, 2011.
23. **Bindeshwar Singh**, Shah Alam Malik , Ankit Kr. Pandey, and Vikas Shukla “**Enhancement of Performance Parameters of Three Phase Induction Motor by Current Source Inverter: An overview and key issues,**” *International Journal of Computer Science and Artificial Intelligence (IJCSAI)*, Vol.1, Issue 1., pp.18-26, December 2011.
24. **Bindeshwar Singh**, K.S. Verma, Deependra Singh, and S.N. Singh, “**A Novel Multi-Objective Approach For Planning Of DGs In Emerging Power Systems,**” *International Journal of Applied Engineering Research and Development (IJAERD)*, Vol.1, No.1, December 2011.

25. **Bindeshwar Singh**, K.S. Verma, Deependra Singh, C.N. Singh, Archana Singh, Ekta Agarwal, Rahul Dixit & Baljiv Tyagi, “**Introduction to FACTS Controllers: A Critical Review,**” *International Journal of Electrical Energy Systems (IJES), Serial Publications, Vol.3 No.2, pp. 85-98, 2011.*
26. **Bindeshwar Singh**, K.S. Verma, Deependra Singh and S.N. Singh, “**Multi-Objective VAR Planning with SVC Using Particle Swarm Optimization Techniques in Power System Networks,**” *International Journal of Electrical Energy Systems (IJES), Serial Publications, Vol.3 No.2, pp. 49-57, 2011.*
27. Jaswant Singh, **B. Singh**, S.P. Singh, and Mohd Naim, “**Performance Evaluation of Direct Torque Control with Permanent Magnet Synchronous Motor,**” *Samridhhi, 2011S-JPSET: ISSN: 2229-7111, Vol. 2, Issue 2, pp.21-30, 2012.*
28. Ravindra Kumar, Surya Prakash Singh, **Bindeshwar Singh**, and Ravi Prakash Vishvakarma, “**Characterization of Voltage Sags and its Mitigation Using Custom Power Devices in Emerging Power System,**” *Buletin Teknik Elektro dan Informatika (Bulletin of Electrical Engineering and Informatics) Journal, Vol.1, Issue.2, June, 2012.*
29. **Bindeshwar Singh**, “**Introduction to FACTS controllers in Wind Power Farms: A Technological Review,**” *International Journal of Advanced Renewable Energy Research, Vol.1, No.1, March 2012, pp.23-59.*
30. Rahul Dixit, Bindeshwar Singh, S.P. Singh, and Nipur Mittal, “**A topologies on Converters : A Review,**” *International Journal of Reviews in Computing, IJRIC, Vol.9, Issue 2, pp.234-242, March 2012.*
31. Jaswnt Singh, Bindeshwar Singh, S.P. Singh, and Rahul Dixit, “**Performance Evaluation of PMSM drives using DTC techniques,**” *International Journal of Reviews in Computing, IJRIC, Vol.9, Issue 2, pp.234-242, March 2012.*
- 32.

NATIONAL JOURNALS:

1. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Classification of Coordinated Control Techniques of FACTS Controllers in Emerging Power Systems: A Review,**” *International journal of Engineering and Techno science (IJETS), Vol. 1, Issue 1, September-October 2010, pp. 18-34.*
2. **Bindeshwar Singh**, “**Applications of Smart Grid Power System Operations with FACTS Controllers: Opportunities and Challenges,**” *Central Power Research Institute (CPRI) Journal, India, Vol.8, Issue 1, 2012.*
- 3.

INTERNATIONAL CONFERENCES:

1. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Modeling of UPFC in Multi-Machine Power System: An Overview & strategies,**” *International Conference, Uttar Pradesh Technical University, Lucknow (U.P.), India, 10-11 June, 2006.*
2. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Novel Approach for Placement of FACTS Devices in multi machine power system,**” *International Conference, Engineering College of Bikaner, Rajasthan, India, RACE-2006, 24-25 March, 2007.*
3. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Comprehensive Survey of Optimal Placement and Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments,**” *International Conference on Power, Signal, Control and Computation, EPSCICON-2010, Department of Electrical & Electronics Engineering, Vidya Academy of Science & Technology, Thalakkottukara, Thrissur-680501, Kerala, India, 04-06 January 2010.*
4. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Application of Computational Intelligence Techniques for Optimal Placement of FACTS Controllers in Large Scale Emerging Power System Networks ,**” *4th IEEE International Conference on advanced computing & communication technologies, ICACCT2010, Department of Electrical & Electronics Engineering, Asia Pacific Institute of Information Technology SD India (APIIT SD India), Faridpur Road, Karnal Side, G.T. Road, Panipat-132103, Haryana, India, 30 October 2010.*
5. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Status review of Incorporation of FACTS Controllers in Multi-Machine Power Systems for Enhancement of Damping of Power System Oscillations and Voltage Stability,**” *4th IEEE International Conference on advanced computing & communication technologies, ICACCT2010, Department of Electrical & Electronics Engineering, Asia Pacific Institute of Information Technology SD India (APIIT SD India), Faridpur Road, Karnal Side, G.T. Road, Panipat-132103, Haryana, India, 30 October 2010.*
6. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Enhancement of Power System Stability by Using FACTS Controllers in an Integrated Power System Networks,**” *International Conference on Advances in Electrical & Electronics Engineering (ICAEET2011), Department of Electrical & Electronics Engineering, MIT Moradabad, U.P., India, 25-26 February 2011.*

7. **Bindeshwar Singh**, N.K.Sharma, A. N. Tiwari, K.S. Verma, and Deependra Singh “**Enhancement of Voltage Stability By Coordinated Control Of Multiple FACTS Controllers in Multi-Machine Power System Environments,**” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical &Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, IEEE Xplore*, 20-22 July 2011.
8. Mohd Naim, **Bindeshwar Singh**, Jaswant Singh, S.P.Singh “**Improvement of Power Factor And Reduction Of Harmonics in Three-Phase Induction Motor by PWM Techniques: A Comprehensive Literature Survey ,**” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical &Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, IEEE Xplore* ,20-22 July 2011.
9. **Bindeshwar Singh**, K.S. Verma, D. Singh, S.N.Singh, “**A Novel Approach for Optimal Placement of Distributed Generation & FACTS Controllers in Power Systems: An Overview and Key Issues,**” *5th IEEE International Conference on advanced computing & communication technologies, ICACCT2011, Department of Electrical &Electronics Engineering, Asia Pacific Institute of Information Technology SD India(APIIT SD India), Faridpur Road, Karnal Side, G.T. Road, Panipat-132103 , Haryana, India,5-7 November 2011.*
10. Raul Dixit, and **Bindeshwar Singh**, “**Modeling, Simulation and Analysis of Nine Level Neutral Point Clamped Inverter Using Matlab/Simulink/Power System Block set,**” *ETET-2012, International conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad (U.P.), 244001, India.*
11. Malik khan, **Bindeshwar Singh**, and Vikas Shukla, “”*International Conference on Electrical and Electronics Engineering, Electrical Engineering Department, Gurukul Khakri University, Haridwar, Uttrakhand, India, 3-4 February,2012.*
12. Indresh Kumar, **Bindeshwar Singh**, Dilip Kumar, “**Mitigation of Power Quality Problems by STATCOM and D-STATCOM in an Integrated Power Systems: A Review**” *International Conference on Electrical and Electronics Engineering, Electrical Engineering Department, Gurukul Khakri University, Haridwar, Uttrakhand, India, 3-4 February,2012.*
13. Jaswant Singh, **Bindeshwar Singh**, S.P. Singh, and Mohd Naim, “**Investigation of Performance Parameters of PMSM drives using DTC Techniques,**” *SESC 2012, IEEE Xplore, MNIT Allahabad, U.P., India, 17-19 March, 2012.*
14. **Bindeshwar Singh**, “**Enhancement of Performance Parameters of an Integrated Wind Power Farms by FACTS Controllers: A Bibliographic Review,**” *MANIT, Bhopal, M.P., India, 2-3 March, 2012, IEEE Xplore, IEEE SCEECs 2012.*
15. Nitya Nand Singh, S.P. Singh, Dr. Deependra Singh, Ravi Prakash Vishvakarma, and **Bindeshwar Singh**, “**An Efficient Control on Photovoltaic Energy Conversion System Using Modified Perturb and Observe Technique for Stand Alone Applications,**” *MANIT, Bhopal, M.P., India, 2-3 March, 2012, IEEE Xplore, IEEE SCEECs 2012.*
16. Amit Verma, Rahul Singh, Ranjeet Singh Yadav, Neeraj Kumar, Priti Srivastava, and **Bindeshwar Singh** “**Investigations on Potentials of Energy from Sewage Gas and Their Use As Stand Alone System,**” *IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012), EGS Pillay Engineering College, Nagapattinam - 611 002, www.egspec.org, IEEE Xplore, Tamilnadu, India*

NATIONAL CONFERENCES:

1. **Bindeshwar Singh**, N.K. Sharma, and A. N. Tiwari, “**Coordinated Control of FACTS Controllers in Multi-machine Power System: An Overview,**” *National Conference, MMMEC, Gorakhpur-273010(U.P.), India, 17-18 February, 2006.*
2. **Bindeshwar Singh**, N.K. Sharma, and A. N. Tiwari, “**FACTS Devices and their Modeling: An Overview & issues,**” *National Conference, Kamla Nehru Institute Technology, Sultanpur-228118(U.P.), India, 24-25 March, 2006.*
3. **Bindeshwar Singh**, N.K. Sharma, and A. N. Tiwari, “**Modeling of FACTS Devices for Optimal power Flow control in Multi-machine Power System: A strategies & issues,**” *National Conference, Nirma University, Ahmadabad, India, Nucone-2006, Aug, 2006.*
4. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Placement of Facts Devices in multi machine power system by using fuzzy logic approach,**” *National Conference ,Thaper Institute of Engineering and Technology, Patiala, Punjab, India, 6-April, 2007.*
5. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Coordinated control of FACTS controllers in multi-machine power systems,**” *National Conference, Ajay Kumar Garg Engineering College, Ghaziabad (U.P.), India, July 2008.*
6. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Coordinated control of FACTS controllers in multi-machine power systems: An overview, issues, and strategies**” *National Power System Conference, NPSC-2008, Indian Institute of Technology (IITB), Bombay, India, 29-31 December 2008.*

7. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Study on coordinated control of FACTS controllers in multi-machine power systems: A Status Review**,” *National Conference, Thaper Institute of Engineering and Technology, Patiala, Punjab, India, 28-29 December, 2009.*
8. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Survey of Optimal Placement Techniques of FACTS Controllers in Multi-Machine Power System Environments**,” *National Conference on Recent Advances in Electrical & Electronics, RAEEE-09, Department of Electrical Engineering, National Institute of Technology, Hamirpur-177500(HP), India, December 23-24, 2009.*
9. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**Classification of Coordinated Control Techniques of FACTS Controllers in Emerging Power Systems: A Review**,” *National Conference on Recent Advances in Electrical Engineering & Energy Systems (REEES-2010), 10-11 September 2010, ITM Bhilwara, Rajasthan, India.*
10. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, “**A Comprehensive Survey of Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments**” *National Power System Conference (NPSC-2010), Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad, India, 15-17 December 2010.*
11. Neha Kumari, S.M. Tripathi, and **Bindeshwar Singh**, “**Transient Performance Investigation of Vector Controlled Z-Source Inverter fed Induction Motor Drive**” *National Conference, Department of Electrical Engineering, R.D. Engineering College, Muradnagar, Ghaziabad, India, 02-04 April 2011.*
12. Jaswant Singh, S.P. Singh, **Bindeshwar Singh**, and Mohd. Naim, “**PERFORMANCE EVALUATION OF THREE-PHASE INDUCTION MOTOR DRIVE FED FROM Z-SOURCE INVERTER**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
13. **Bindeshwar Singh**, and N.K.Sharma, and A. N. Tiwari “**Applications of Phasor Measurement Units (PMUs) in Electric Power System Networks Incorporated with FACTS Controllers**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
14. **Bindeshwar Singh**, and N.K.Sharma, and A. N. Tiwari “**Optimal Placement Techniques of FACTS Controllers in Multi-Machine Power System Environments: A Literature Survey**” *National Conference, SPROTS-2011, Department of Electronics Engineering, HBTI, Kanpur, India, 26-27 March 2011.*
15. Jaswant Singh, **Bindeshwar Singh**, S.P.Singh, Mohd. Naim and Dilip Kumar, “**Enhancement of Performance Parameters of Three Phase Induction Motor by Vector Control Methods**” *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and Department of Electrical Engineering Jalpaiguri Govt. Engineering College, Jalpaiguri, 25-26 March, 2011, West Bengal, India-735102.*
16. Mohd. Naim, **Bindeshwar Singh**, S.P.Singh, Jaswant Singh, and Dilip Kumar, “**Improvement of Power Factor and Reduction of Harmonics in Three-phase Induction Motor by PWM Techniques**” *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and Department of Electrical Engineering Jalpaiguri Govt. Engineering College, Jalpaiguri, 25-26 March, 2011, West Bengal, India-735102.*
17. **Bindeshwar Singh**, N.K.Sharma, and A. N. Tiwari, Rahul Dixit, Malik Khan “**Enhancement of Voltage Stability by Coordinated Control of Multiple FACTS Controllers in Multi-Machine Power System Environments**,” *National System Conference, NSC-2011, Indian Institute of Technology (IITBh), Bhubaneswar, India, 10-12 December 2011.*
18. **Bindeshwar Singh**, K.S. Verma, D. Singh, and S. N. Singh, “**Multi-objective VAR Planning with SVC Using Particle Swarm Optimization Techniques in Power System Networks**,” *National Conference on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)” organized by Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
19. Ravindra Kumar, S.P. Singh, K.S. Verma, and **Bindeshwar Singh**, “**Power Quality Problems :An Overview and Key Issues**,” *National Conference on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)” organized by Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
20. Mohm Naim, Rajeeesh Mishra, **Bindeshwar Singh**, S.P. Singh, D.Singh, and Jaswant Singh, “**Space Vector Pulse Width Modulation Based Speed Control of Induction Motor Drives Using PI Controllers**,” *National Conference on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)” organized by Department of Electrical Engineering and*

Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.

21. **Bindeshwar Singh**, K.S. Verma, Deependra Singh, and S.N. Singh, “**A Novel Multi-objective Approach for Planning of DGs in Emerging Power Systems,**” *National Conference on Artificial Intelligence and Agents: Theory and Applications, AIATA-2011, Institute of Technology, Banaras Hindu University, (IT BHU), Varanasi-2, U.P., India, 9-11 December 2011.*
22. **Bindeshwar Singh**, Indresh yadav, and Dilip Kumar, “**Applications of FACTS Controllers in Power Systems to Enhance the Power System Stability: A State-of-the-art,**” *National Conference on Electrical Engineering , NEEC-2011, Delhi Technical University, Delhi, India, 16-17 December 2011.*
23. Rahul Dixit, **Bindeshwar Singh**, Nupur Mittal, and Manvendra Singh, “**A DC-DC Multi-Level Modular Capacitor Clamped Converter,**” *ETREEE-2012, National Conference on Emerging Technologies in Renewable Energy and Electrical Engineering , Bhilwara, Rajasthan, India.*
24. **Bindeshwar Singh**, “**Enhancement of Performance Parameters of An Integrated Wind Power Farms By FACTS Controllers: A Bibliographic Review,**” Department of Electrical Engineering, National Conference on Recent Advancements on Power System Engineering, RAPSE-2012, Vivekananda Institute of Technology, Vivekananda Institute of Technology (East) Jaipur , Rajasthan, 4-6th February, 2012.
25. Ravindra Kumar, Surya Prakash Singh, K.S.Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Voltage Sag Characterization and their mitigation using custom power devices,**” National Conference on Recent Trends in Electrical Engineering (RTIEE11), EED, SVNIT Surat, Maharashtra, India.
26. Ravindra Kumar, Surya Prakash Singh, K.S.Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Voltage sags characterization and its impact assessment on equipment behaviour,**” National Conference on Recent Trends in Electrical Engineering (RTIEE11), EED, SVNIT Surat, Maharashtra, India.
27. Ravindra Kumar, Surya Prakash Singh, K.S.Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Minimization of voltage sag in industrial power plants ,**” National Conference on Recent Trends in Electrical Engineering (RTIEE11), EED, SVNIT Surat, Maharashtra, India.
28. Ravindra Kumar, Surya Prakash Singh, K.S.Verma, **Bindeshwar Singh**, and Jaswant Singh, “**Power quality problem as voltage sag: an overview and key issues ,**” National Conference on Recent Trends in Electrical Engineering (RTIEE11), EED, SVNIT Surat, Maharashtra, India.
29. Jaswant Singh , B.Singh, and S.P.Singh, “**Performance Evolution of Direct Torque Control with Permanent Magnet Synchronous Motors ,**” National Conference on Recent Trends in Electrical Engineering (RTIEE11), EED, SVNIT Surat, Maharashtra, India.
30. *Rahul Dixit, Bindeshwar Singh, and S.P.Singh, “Adjustable Speed Drives: A Review on different Inverter Topologies is Used,” National Conference on Recent Advance in Electronics & Electrical Engineering (NCRAEEE-2012), EED, Dev Bhoomi Institute of Technology (DBIT), Dehradun, Uttarakhand, India, 17-18 march, 2012.*

NATIONAL SEMINARS:

PAPERS COMMUNICATED:

Annexure-III

Membership of Professional Bodies:

1. *Technical Program Committee Members of International Conference on Internet Computing , Informatics in E-Business and Applied Computing Systems (ICIEACS), ICIEACS 2012, July, 13-14, 2012, Dubai, UAE , 27-28 July, 2012.*
2. *Technical Program Committee Members of International Conference on Information, Communication & Computer Networks, ICICCN2012, July, 13-14, 2012, Nicosia, Cyprus.*
3. *Technical Program Committee Members of International Conference on Computing Communication System and Informatics Management, ICCSIM 2012, July 29-30, 2012, Dubai, UAE.*
4. *Technical Program Committee Members of International Conference on Internet, E-Learning, and Education Technologies, ICIEET 2012, September 23-24, 2012, Dubai, UAE.*
5. *Technical Program Committee Members of International Conference on Computer Science, Information Systems and Communication Technologies, ICCSISCT 2012, September 1-2, 2012, Bangkok, Thailand.*
6. *Technical Program Committee Members of International Conference on E-Education and Learning Technologies, ICEELT*

2012, August 13-14, 2012, Singapore.

7. **Technical Program Committee Members** of International Conference on information Integration and Computing Applications, ICIICA 2012, August 15-16, 2012, Singapore.
8. **Technical Program Committee Members** of International Conference on information Technology, E-Government and Applications, ICITEA 2012, September 20-21, 2012, Abu Dhabi, United Arab Emirates.
9. **Technical Program Committee Members** of International Conference on Human Computing, Education and Management Systems, ICHCEIMS 2012, August 30-31, 2012, Bangkok Thailand.
10. Member of REVIEWER Team of Electrical Power Components & Systems Journal, U.K. (www.tandf.co.uk).
11. Member of Reviewer Team of IET generation-Transmission-Distribution (IET-GTD) Journal (www.theiet.org).
12. Member of Reviewer Team of International Journal of Energy Science (IJES) (www.ijesci.org).
13. Member of Editor Team member of International Journal of Energy Engineering (IJEE) (www.ij-ee.org).
14. Member of Editor Team member of Journal of Control Engineering and Technology (JCET) (www.jcet.org).
15. Member of Editorial Board Member of International Journal of Environmental Protection (IJEP) (www.ij-ep.org).
16. Member of Editorial Board Member of International Journal of Emerging Sciences (IJES) (www.ijes.info).
17. Member of Editorial Board Member of International Journal of Advanced Renewable energy Research (IJARER) (www.ijarer.org).
18. Member of Reviewer Team of International Journal of Artificial Intelligence and Expert Systems (IJAE) (www.cscjournals.org).
19. Member of Editor Team member of International Journal of Engineering and Technology (IJET) (www.iiscr.org).
20. Member of Editorial Board of International Journal of Electronics and Communication Engineering (IJECE) (www.ripublication.com).
21. Member of Associate Editorial Board of Advances and wireless and mobile communications, computer science journals (AWMC) (www.ripublication.com).
22. Member of REVIEWER Team of International Journal of Engineering Research and Applications (IJERA) (www.ijera.com).
23. Member of Editorial Board of American Journal of Mathematics and Sciences, American journal (www.journalshub.com).
24. International Member of REVIEWER Team of JECE Journal (www.jece.org).
25. International Member of REVIEWER Team of TELKOMNIKA International Journal of Electrical Engineering (IJEE) (www.telkonnika.ee.uad.ac.id).
26. Member of REVIEWER Team of Engineering, Technology & Applied Science Research Journal (www.etasr.com).
27. Member of Editorial Board of International Journal of Computer Science and Artificial Intelligence (www.jcsai.org).
28. Member of REVIEWER Team of International Journal of Industrial Electronics and Control (www.ripublication.com).
29. Member of Editorial Board of International Journal of Engineering and Advanced Technology (IJEAT) (<http://www.ijeat.org/editors.php>).
30. Member of REVIEWER Team of Journal of Scientific Reviews (JSR) (www.jsr.org).
31. Member of REVIEWER Team of International Journal of Computer Engineering Science (IJCES) (www.ijces.com).
32. Member of Editor Review Committee of International Journal of Scientific and Engineering Research (www.ijser.org).
33. Member of REVIEWER Team of International Journal of Artificial Intelligence and Expert Systems (IJAE) (www.cscjournals.org).
34. Member of Reviewer Team of International Journal of Advances in Engineering Sciences (www.journals.rgsociety.org).
35. Member of Editorial Board Member of International Journal of Information Technology and Computer Sciences (IJITCS) (www.iisrc.org).
36. Member of Editorial Board Member of International Journal of Recent Technology and Engineering (IJTRE) (www.ijtre.org).
37. Member of Reviewer Team of International journal of engineering science and technology (IJEST), Denmark Technical University, Denmark (www.ijest-ng.com).
38. Member of REVIEWER Team of Journal of Current Engineering Research (JCER) U.K. (www.gpublication.com).
39. Member of REVIEWER Team of IETE Technical Review Journal (www.ietejournal.org).
40. Member of REVIEWER Team of IETE Research Journal (www.ietejournal.org).
41. Member of REVIEWER Team of International Journal of Advanced Chemical Technology (IJACT) (www.ijact.org).
42. Member of REVIEWER Team of Journal of Applied Science & Engineering Technology (www.library.rit.edu).
43. Member of Editorial Board of International Journal of Electronics Engineering Research (IJEER) (www.ripublication.com).

44. Member of REVIEWER Team of Journal of Computing Science & Engineering (JCSE) (www.jcse.kiise.org).
45. Member of Reviewer Team of Communication in information Science and Management Engineering (CISME) Journal (www.cisme.org).
46. Member of Reviewer Team of International Journal on Systems, Computing Sciences and Software Engineering (JSCSS) (www.cisssjournals.org).
47. Member of Reviewer Team of International Journal on Industrial Electronics, Technology & Automation (JIETA) (www.cisssjournals.org).
48. Member of Editorial Board of IJSCE Journal (www.ijsce.org).
49. Member of Editorial Advisory Board of IJEAS Journal (www.ijeasonline.com).
50. Member of Editorial Team of JEEER Journal (www.jeeer.org).
51. Member of Reviewer Team of IJRIC Journal (www.ijric.org).
52. Member of Reviewer Team of JATIT Journal (www.jatit.org).
53. Member of Editorial Board of International Journal of Computer Organization and Trends (IJCOT) (www.internationaljournalssrg.org) (ID: SSRGJ-IJCOT-1306).
54. Member of Editorial Board of International Journal of Computer Trends and Technology (IJCTT) (www.internationaljournalssrg.org)(ID:SSRGJ-IJCTT-1043).
55. Member of Editorial Board of International Journal of Engineering Trends and Technology (IJETT) (www.internationaljournalssrg.org)(SSRGJ-IJETT-1209).
56. Member of Editorial Board of International Journal of Mathematics Trends and Technology (IJMTT) (www.internationaljournalssrg.org) (SSRGJ-IJMTT-1107).
57. Member of Reviewer of TJPRC Journal (www.tjprc.org).
58. Member of Reviewer of Journal of Science and Technology (JUST), (www.just.org).
59. Member of Reviewer of international Journal of computer engineering Science, (www.ijces.org).
- 60.

Annexure-IV

B.Tech. Seminar Guided:

- [1] Akhilesh Kr. Verma, “Prepaid Energy Meter” EED, KNIT Sultanpur, April 2011.
- [2] Amlesh Kumar Gautam “Ultra Capacitor” EED, KNIT Sultanpur, April 2011.
- [3] Deepti Kusuwaha “Power Generation through Osmosis” EED, KNIT Sultanpur, April 2011.
- [4] Abhay Kumar Choubey, “APPLICATION OF SMART GRID IN POWER SYSTEMS” EED, KNIT Sultanpur, April 2011.
- [5] Annu Singh, “Introduction to FACTS Controllers”, EED, KNIT, Sultanpur, April 2011.
- [6] Neha Tyagi, “Applications of AI techniques to Power Systems”, EED, KNIT, Sultanpur, April 2011.
- [7] Jitendra Rathour “Optimal location of FACTS controllers in Power Systems” EED, KNIT Sultanpur, April 2011.
- [8] Vibha Pandey “Nuclear Power Plant” EED, KNIT Sultanpur, April 2011.
- [9] Jitendra Saini “SMARTY GRID” EED, KNIT Sultanpur, April 2011.
- [10] Mudu Smiriti Rao “Magnetic Laminations” EED, KNIT Sultanpur, April 2012.
- [11] Durga Shankar Avasthi “ Interfacing and introduction to ATMEGA-16 Microcontrollers” EED, KNIT Sultanpur, April 2012.
- [12] Suchita Mishra “Applications of AI Techniques in Power System Networks” EED, KNIT Sultanpur, April 2012.
- [13] Kevi Singh “Application of Smart Grids in power System Environment” EED, KNIT Sultanpur, April 2012.
- [14] Ankit Kumar Gupta “Pattern Recognition Using Artificial Neural Networks (ANN) ” EED, KNIT Sultanpur, April 2012.
- [15] Riteshwar Bandhu , “Ultra Capacitors ” EED, KNIT Sultanpur, April 2012.
- [16] Rajat Mishra, “Automatic Sun Tracking Systems ” EED, KNIT Sultanpur, April 2012.
- [17]

B.Tech. Project Guided /Guiding:

- [1] Ashish Modi, Dinesh Singh, Abhishek Kapoor, Abhishek Verma, and Sarika Mishra, “ Microprocessor Based Distance Relaying,” EED, Dr. KNMIET, Modi Nagar, Ghaziabad, U.P., India, May, 2006: Completed

- [2] Mohneesh Rastogi, Raghvendra Kumar , and Sachin Gupta, “**Voltage Stability Assessment,**” *EED, KNIT Sultanpur, June, 2010: Completed*
- [3] Chandresh upadhayay, Kumar Gaurav Mishra, and Gaurav Sharma, “**Power Quality Standards and Performance Review of Power Quality Improvement at Input AC Mains,**” *EED, KNIT Sultanpur, June, 2010: Completed*
- [4] Rayash Yadav, Ranjeet Singh, Subhash Chandra, “**Incorporation of TCSC Controllers in Power System Networks,**” *EED, KNIT Sultanpur, June, 2010: Completed*
- [5] Satpal, Anant Jain, Deepak Rai, and Navneet Kumar Barnwal, “**Enhancement of Power Transfer Capacity Using TCSC,**” *EED KNIT Sultanpur, June, 2011: Completed*
- [6] Ashish Singh, Himanshu Sahu, Mohsin Khan, and Sunny Singh, “**Optimal Location of TCSC on the Basis of Loss Considerations,**” *EED KNIT Sultanpur, June, 2011: Completed*
- [7] Abhilasha Singh, Akash Gupta, Khalid Aziz, and Nidhi Chauhan, “**Incorporation of SVC in Power Systems for Operation, Control and Planning,**” *EED KNIT Sultanpur, June, 2011: Completed*
- [8] Abhiruchi Srivasta, Abhishek Kumar, , “**Enhancement of voltage stability by TCSC in Power System environments,**” *EED KNIT Sultanpur, June, 2012: Completed*
- [9] Jitendra Singh, Amit Kumar Shukla, “**Optimal Location of SVC in Emerging Power System Networks ,**” *EED KNIT Sultanpur, June, 2012: Completed*

[10]

M.Tech. Minor Project Guided:

- [1] Jaswant Kumar, “**Performance Evaluation of Z-source inverter fed three phase induction motor,**” *EED, KNIT Sultanpur, June, 2011 (M.Tech. Regular Power Electronics & Drives).*
 - [2] Mohd Naim, “**PMW Technique in three phase induction motor,**” *EED, KNIT Sultanpur, June, 2011 (M.Tech. Regular Power Electronics & Drives).*
 - [3] Rahul Dixit, “**A VSI & CSI fed dual starter Induction motor Drives for Medium voltage drive applications,**” *EED, KNIT, Sultanpur, July 2011:Completed*
 - [4] Abhay Nath Ram, “**Double Stage Switch Mode AC Voltage Regulator,**” *EED, KNIT, Sultanpur, July 2011:Not Completed*
 - [5] Indresh Yadav, “**Sensorless V/F control of high speed surface permanent magnet synchronous motor drives with two novel stabilizing loop for fast dynamic & Robustness,**” *EED, KNIT, Sultanpur, July 2011: Completed*
 - [6] Shah Alam Malik, “**A multilevel modular capacitor clamped DC DC Converter,**” *EED, KNIT, Sultanpur, July 2011:Completed*
- [7]

M.Tech. Thesis/Dissertation Guided /Guiding:

- [1] Neha Kumari, “**Transient Performance Investigation of Vector Controlled Z-Source Inverter fed Induction Motor Drive**” *EED, KNIT Sultanpur, July, 2011 (M.Tech. Regular Power Electronics & Drives): Completed*
- [2] Mohd Abu Khan, “**GA based Congestion Management in Deregulated Power Systems using FACTS devices**” *EED, KNIT Sultanpur, September, 2011 (M.Tech. Part Time Power Systems): Completed*
- [3] Anand Rao “**Enhancement of Power System Stability by Fuzzy based TCSC controller**”, *EED, KNIT Sultanpur, June, 2011 (M.Tech. Part Time Power System): Completed*
- [4] Jaswant Kumar, “**Investigation of Performance Parameters of PMSM Drives Using Vector Control Technique in SIMULINK/MATLAB Environments,**” *EED, KNIT Sultanpur, June, 2011 (M. Tech. Regular Power Electronics & Drives): Completed*
- [5] Mohd Naim, “**Investigation of Performance Parameters of Three Phase Induction Motor using SVPWM Technique with P, PI, and PID Controllers,**” *EED, KNIT Sultanpur, June, 2011 (M. Tech. Regular Power Electronics & Drives): Completed*
- [6] Rahul Dixit, “**Simulation and analysis of Speed Control of three Phase Induction Motors by SVPWM Techniques,**” *EED, KNIT, Sultanpur, July 2012:Under Process*
- [7] Indresh Yadav, “**Fuzzy Based Controller for Speed Control of Three Phase Induction Motors,**” *EED, KNIT, Sultanpur, July 2011: Under Process*
- [8] Shah Alam Malik, “**Performance Evaluations of three phase induction motors by Vector Control Approach,**” *EED, KNIT, Sultanpur, July 2011: Under Process*

Annexure-V**Editors/Reviewer for the National/ International Journals Papers:****1. IEEE Transactions on Power Systems:**

- a. Comparison between optimal control strategies applied to a system with unified power flow controller, shunt converter and series converter for power quality improvement, March 2010 (**Review for Paper TPWRS-00147-2010**).
- b.

2. IEEE Transactions on Power Delivery:

- a. A Combined TCBR-TCSC for Transient Stability Improvement, March 2010 (**Review for Paper: TPWRD-00043-2010**).
- b.

3. International Journal of Engineering Science and Technology (IJEST), Denmark.

- a. Classification of Voltage Sag, Swell and Harmonics using S-transform Based Modular Neural Networks, July 2010.
- b. Fuzzy Logic PID Control for Automatic Voltage Regulator System, August 2010.
- c.

4. IET Generation, Distribution & Transmission Journal.

- a. Locating Static Var Compensators Based on Inherent Network Topology (**Manuscript ID: GTD-2011-0779**).
- b. Integrating Distributed Generations Models in Distribution System Load Flow (**Manuscript ID: GTD-2012-0206**).

5. Electric Power Components & Systems journal.

- a. An integrated model of modern power system in the presence of SVC and STATCOM to assess global voltage stability, August 2010 (**Manuscript ID: UEMP: 2010-0411**).
- b. Extending the Static VAR Compensator Equations for Load Balancing at Desired Power Factor, October 2010(**Manuscript ID UEMP:-2010-0523**).
- c. Optimal Location of TCSC in Power Systems for Increasing Loadability by Genetic Algorithm, November, 2010(**Manuscript ID UEMP:-2010-0621**).
- d. Tuning of output feedback UPFC controller parameters using Imperialist Competitive Algorithm, January, 2011(**Manuscript ID UEMP:-2010-0725**).
- e. Optimal location of TCSC to reduce the emission with economic in electricity generation considering all system constraints, February, 2011(**Manuscript ID UEMP:-2011-0017**).
- f. Modeling and Control of Universal Power Line Manager, April, 2011 (**Manuscript ID: UEMP-2011-0173**).
- g. Chaos Based Output Feedback Controller Design for TCSC and PSS to Enhance the Power System Stability (**Manuscript ID: UEMP-2011-0201**).
- h. Design of optimal lead-lag and fuzzy logic controller based SVC using particle swarm optimization (**Manuscript ID: UEMP-2011-0272**).
- i. A Feedback Linearization based UPFC Internal Controller for Power Flow Control (**Manuscript ID: UEMP-2011-0432**).
- j. Determination of Firing Angle for Multiple SVCs to Improve Voltage Stability (**Manuscript ID: UEMP-2011-0447**).
- k. A Fast and Efficient Approach for Optimal Location and Parameter Setting of Multiple TCSCs for Deregulated Power Sector (**Manuscript ID: UEMP-2011-0643**).

1. Artificial Intelligence Regulated On-line Surveillance of a Practical Network using Static Var Compensator (Manuscript ID: UEMP-2011-0728).

5. European Transactions on Electrical Power

- a. Optimal placement of Phase Shifter Transformers (PST) for power loss reduction using Genetic Algorithm (GA) (Manuscript ID: ETEP-11-0539)

6. Journal of Electrical & Electronics Engineering Research (JEEER)

- a. Dynamic Pattern Recognition System for Sensor's Drift Counteraction, October 2010 (Manuscript Number: JEEER-10-077).
- b. Multi-Regions Particle Swarm Optimization Algorithm, February 2011 (Manuscript Number: JEEER-11-020).
- c. Comparison of Reliability in Modular Multilevel Inverters, February 2011 (Manuscript Number: JEEER-11-021).
- d. Design and development of Fuzzy Logic Controller to Control the Speed of Permanent Magnet Synchronous Motor, February 2011 (Manuscript Number: JEEER-11-022).
- e. Energy Saving Scheme for SVM Inverter Fed Induction Motor Drives, 2012, (Manuscript Number: JEEER-12-025).
- f.

6. International Journal of Computer System Science & Engineering (IJCSSE), DEBII, Curtin University of Technology, Australia.

- a. Study on Applications of Artificial Intelligence Based Multiple Models Predictive Control Scheme (Manuscript Number: IJCSSE-C-1830).
- b.

7. TELKOMNIKA Scientific Journal, Department of Electrical Engineering, Ahmad Dahlan University (Yogyakarta-Indonesia)

- a. Generator Contribution Based Congestion Management using Objective Genetic Algorithm (No.:44.2/Telkonnika/09.01/04/11).

8. 11th International Conference on control, Automation and Systems (ICCAS 2011) Papers Reviewed: (Bucheon Techno Park 401-1506, 193, Yakdae-Dong, Wonmi-Gu Bucheon-City, Gyeonggi-Do, 420-734, Korea, Phone : +82-32-234-5801, Fax : +82-32-234-5807,conference@icross.org)

- a. Integration of Power Grid Operational System (Paper No. : 110505).
- b. Delta-operator based adaptive MPC for an MCFC system (Paper No. : 110492).
- c. Generalized Model Predictive Control for a Multivariable Boiler- Turbine Unit (Paper No. : 110439).
- d. Design and Control of Lightweight Static Inverter for EMU (Paper No. : 110296).
- e. Power usage pattern and consumption separation method by load devices based on remote metering system's Load profile data (Paper No. : 110144).
- f. Performance of Generalized Statistical Smoothing to Inverse Haltoning (Paper No. : 110030).

9. Turkish Journal Of Electrical Engineering & Computer Sciences

- a. Computation of Total Transfer Capability Using Power Producer's Bidding in the Deregulated Environment (Manuscript Code Number : ELK-1107-31).
- b. ACPTDF for Multi-transactions and ATC Determination in Deregulated Markets (Manuscript Code Number: ELK-1108-12).

- c Intelligent Integrated Technique for Controlling Multi Transmission Line Using Inter Line Power Flow Controller (Manuscript Code Number: ELK-1109-41).
- d Induction Motor Modeling Under Voltage Fluctuation Conditions (Manuscript Code Number: ELK-1110-8)
- e

10. Iranian Journal of Electrical and Computer Engineering

- a. Simulation and Implementation of Fault Detection in AC to AC Converter Fed Induction Motor (Paper No.:1953.2011.06.12).

11. International Journal of Computer Science and Artificial Intelligence (IJCSAI)

- a. Revised Regional Flood Frequency Analysis in Large Central Watershed of Iran (Paper No.: IJCSAI10014-20111231).
- b. Industry Value Chain Analysis on Benefit Models of New Energy Vehicles (Paper No.: IJCSAI10014-20111255).

12. International Journal of Soft Computing and Engineering (IJSCE)

- a Quality Improvement in Turning Process using Taguchi's Loss Function (Paper ID: D0122081411).
- b Long Term Electric Load Forecasting using Neural Networks and Support Vector Machines (Paper ID: E0137081511).

13. E3 JOURNAL OF ENERGY OIL AND GAS RESEARCH

- a New power losses allocation method based on the decomposition of the network matrix and the voltage regulation at network nodes (Paper ID: EJEGR-11-010).

14. International journal of Emerging and systems (IJES)

- a. A Study of Generating Electricity Performance of Two-chamber Microbial Fuel Cell Treating Simulated Silver-containing Wastewater (Paper No.:IJES-11.21).

Editors/Reviewed for The National/ International Books:

- a Book "Utilization of Electrical Energy" Pearson Education, Chennai, 2011.

Annexure-V

Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Delivered:

1. Delivered expert lectures on "Networks & Systems" at *Institute of Technology and Management (I.T.M.), Gida, Gorakhpur, U.P., India, March 10, 2006.*
2. Delivered expert lectures on "Electro-Mechanical Energy Conversion-I" at *Institute of Technology and Management (I.T.M.), Gida, Gorakhpur, U.P., India, Aril 25, 2006.*
3. Delivered expert lectures on "Fundamental of Electrical Engineering" *Raj Kumar Goel Institute of Technology, Ghaziabad, U.P., India, February 23, 2007.*
4. Delivered expert lectures on "Fundamental of Networks Analysis &Synthesis" at *Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, U.P., India, April 27, 2008.*
5. Delivered expert lectures on "Fundamental of Networks Analysis &Synthesis" at *Rajashanjay Institute of Engineering &Technology (RSIET), Amethi, Sultanpur-228118, U.P., India, September 25, 2009.*
6. Delivered expert lectures on "Fundamental of Networks Analysis &Synthesis" at *Rajashanjay Institute of Engineering &Technology (RSIET), Amethi, Sultanpur-228118, U.P., India, 2-3 October, 2010.*
7. Delivered expert lectures on "Electro-Mechanical Energy Conversion-II" at *Kamla Nehru Management Institute of Engineering &Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 19-20 November, 2010.*

8. Delivered expert lectures on “**Fundamental of Networks Analysis & Synthesis**” at *Kamla Nehru Management Institute of Engineering & Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 21-22 November, 2010.*
9. Delivered expert lectures on “**Electrical Engineering**” at *Kamla Nehru Management Institute of Engineering & Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 12-15 January, 2010.*
10. Delivered expert lectures on “**Fundamental of Networks Analysis & Synthesis**” at *Krishna Engineering College (KEC), Mohan Nagar, Lodhi Road, Ghaziabad, U.P., India, 5-8 March, 2011.*
11. Delivered expert lectures on “**Fundamental of Networks Analysis & Synthesis**” at *Krishna Institute of Engineering & Technology, (KIET), Muradnagar, Meerut Road, Ghaziabad, U.P., India, 23-24 April, 2011.*
12. Delivered expert lectures on “**Electro-Mechanical Energy Conversion (EMEC-II)**” at *Raj Kumar Goel Institute of Technology (RKGIT), Meerut Road, Ghaziabad, U.P., India, 18-20, August, 2011.*
- 13.

Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Attended:

1. Attended a Key Note Lecture-I address by **Prof. (Dr.) P. Mahanta, IIT, Guwahati** on “**Energy Management System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
2. Attended a Key Note Lecture-II address by **Prof. P. B. Sharma, DCE, New Delhi**, on “**Energy Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
3. Attended a Key Note Lecture-III address by **Prof. (Dr.) C. Srinivasakannan, Curtin University of Technology, Sarawak Campus, Malaysia** on “**Challenges and Strategies for Sustainable Energy and Efficiency Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
4. Attended a Key Note Lecture-IV address by **Prof. (Dr.) L.L. Lai, Energy System Groups, City University, London** on “**Electrical Power and Energy Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
5. Attended a Key Note Lecture-V address by **Prof. (Dr.) Fushuan Wen, South China University of Technology, Guangzhou** on “**Utilization of Electrical Power and Energy System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
6. Attended a tutorial address by **Prof. S.S. Venkata, University of Washington, Seattle, USA** on “**Smart Distribution Grids and the Advanced Integrated Distribution Management System**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
7. Attended an Invited Talk address by **Prof. A.M. Gole, NSERC Industrial Research Chair University of Manitoba, Winnipeg, Canada** on “**Advances in Transient Simulation Techniques for Modern Power Systems**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
8. Attended an Invited Talk address by **Prof. K.R. Padiyar, Emeritus Professor, IISc Bangalore, India** on “**Control Strategies to Improve System Operation**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
9. Attended an Invited Talk address by **Mr Prashun Dutta, Senior Executive Vice-President, Reliance Energy, India** on “**TT for Power Sector**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
10. Attended the Expert Lecture (delivered by **Prof. J. P. Saini, Principal, MMEC, Gorakhpur**) on “**Applications of Neural Network to Power Systems and power Electronics & Drives**” organized by, *Research and Development activities, Department of Electrical Engineering, KNIT, Sultanpur, India, during Nov.28, 2010.*
11. Attended an Invited Talk address by **Dr Krishna V Prasad, Tata Consultancy Services, India** on “**Enterprise Efficiency in the Power Sector: Integration of Technologies**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
12. Attended an Invited Talk address by **Prof. S.B. Kedare, IIT Bombay, Prof. B.G. Fernandes, IIT Bombay, Mr R. Kharul, WISE, Pune, Mr R. Samant, Tata Power, Mumbai, India** on “**Wind Technology and Systems**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008.*
13. Attended a key note address by **Prof. Alain Bretto, University of Caen, France** on “**Lossless and near lossless 2D and 3D**”

- Images Hypergraph-based compression”** in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
14. Attended a key note address by **Prof. A G Phadke, Virginia Tech, USA** on **“Wide Area Measurement Applications for Improved Protection”** in *National Power System Conference (NPSC-2010) at University College of Engineering, Osmania University, Hyderabad, A.P., India, 15-17 December, 2010.*
 15. Attended a key note address by **Prof. Anoop Singh, IME, Management Department, IIT Kanpur, U.P., India** on **“Personality & Communication Skill Development”** in *Electrical Engineering Department, Seminar Room, at Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118(U.P.), India, 26th March, 2010.*
 16. Attended a key note address by **Prof. S N. Singh, Visiting Professor, Demark Technical University, Denmark, (IIT Kanpur, U.P., India)** on **“Good Methodology of Teaching”** in *Electrical Engineering Department, Seminar Room, at Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118(U.P.), India, 14th July, 2010.*
 17. Attended a key note address by **Dr. S.S. K. Iyer, EED, IIT Kanpur,** on **“Recent Developments in Solar Power Generation,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 18. Attended a key note address by **Prof. S.C. Srivastava, EED, IIT Kanpur,** on **“Smart Grid : Few Concepts and System Perspective ,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 19. Attended a key note address by **Prof. Kalyanmoy Deb, MED, IIT Kanpur,** on **“Evolutionary Algorithm for Applied Optimization,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 20. Attended a key note address by **Prof. S.C. Srivastava, EED, IIT Kanpur,** on **“Synchronized Measurement based Wide Area Monitoring of Power Systems ,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 21. Attended a key note address by **Dr. Nischhal K Mishra, IIT Kanpur, MED, IIT Kanpur,** on **“Fuzzy Logic and Its Application in Power Systems,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 22. Attended a key note address by **Prof. S.N. Singh, EED, IIT Kanpur,** on **“Demand Response and Its Prediction in Competitive Power Markets,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 23. Attended a key note address by **Prof. S.N. Singh, EED, IIT Kanpur,** on **“Quality of Supply in Service –Concept, Technology and regulations,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 24. Attended a key note address by **Prof. Kalyanmoy Deb, MED, IIT Kanpur,** on **“Evolutionary Multi-objective Optimizations,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 25. Attended a key note address by **Prof. A. K. Chatruvedi, EED, IIT Kanpur,** on **“Role of Information and Communication Technologies in Smart Grid,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 26. Attended a key note address by **Dr. Shantanu K Mishra, EED, IIT Kanpur,** on **“Advances in Converter Topology and Technology ,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, **Kanpur (IITK), India, during Nov.15-19, 2010.**
 27. Attended a key note address by **Dr. Sukumar Mishra, EED IIT Kanpur,** on **“Soft Computing (BFO & PSO),”** in the *Short*

- Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
28. Attended a key note address by **Dr. Arvind Tiwari**, GE Bangalore, on “**Smart Grid Initiative around the World and Utilities Perspective,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 29. Attended a key note address by **Dr. Anoop Singh**, IME, IIT Kanpur, on “**Economics of Regulation for Power Sector,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 30. Attended a key note address by **Prof. B. S. Rajpurohit**, EED, IIT Mandi, Gujrat, on “**Wind Power Generations: Key Issues and Challenges,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 31. Attended a key note address by **Dr. S.S.K. Iyer**, EED, IIT Kanpur, on “**Recent Development in Solar Power Generation,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 32. Attended a key note address by **Dr. U.K. Dwivedi**, RGIPT Rai, Bareilly, on “**Power Quality: Detection and Localization,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 33. Attended a key note address by **Dr. N.P. Pandhy**, EED, IIT Roorkee, on “**Distribution Network Pricing,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 34. Attended a key note address by **Er. R. K. Jain**, KESCO, Kanpur, on “**Improving Efficiency in Distribution and Addressing Theft of Electricity,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 35. Attended a key note address by **Dr. Sukumar Mishra**, E and ED, IIT Delhi, on “**Soft Computing (BFO & PSO),**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 36. Attended a key note address by **Dr. N.P. Pandhy**, EED, IIT Roorkee, on “**AI Applications (ANN & ACS) in Emerging Power Systems,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 37. Attended a key note address by **Dr. S.L. Kumar**, EED, IIT Kanpur, on “**Support Vector Machine for Classification of Power System Problems,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 38. Attended a key note address by **Er. N, Murugesan**, CPRI, Bangalore, India, on “**Role of Smart Meters in Smart Grid Initiatives,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
 39. Attended a Tutorial by **Prof. S. S. Venkata**, Iowa State University, USA on “**The Vision and Road Map for Realizing Smart Distribution Grid**” in *National Power System Conference (NPSC-2010) at University College of Engineering, Osmania University, Hyderabad, A.P., India, 15-17 December, 2010.*
 40. Attended a key note address by **Prof. Satya Sheel**, MNIT, Allahabad, India on “**ANN & Its Applications**” in *International Conference in Electrical & Electronics Engineering (ICAEET-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
 41. Attended a key note address by **Prof. G. L. Pahuja**, NIT Kurukshetra, India on “**Recent Issues of Reliability Engineering**” in *International Conference in Electrical & Electronics Engineering (ICAEET-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
 42. Attended a key note address by **Prof. V. C. Bhavsar**, Director, Advanced Computational Research Lab, University of New Brunswick, Canada on “**Parallel Computing**” in *International Conference in Electrical & Electronics*

- Engineering(ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
43. Attended a key note address by **Prof. E.G.Rajan, Chairman, Pentagon Group of Companies Hyderabad, A.P., India** on “**Signal Processing**” in *International Conference in Electrical & Electronics Engineering(ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
 44. Attended a key note address by **Prof. S.P.Gupta, IIT Roorkee, India** on “**Development of Renewable Energy Priorities and Issues**” in *International Conference in Electrical & Electronics Engineering(ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
 45. Attended a key note address by **Prof. R.S. Anand, IIT Roorkee, India** on “**Signal Processing Application in Biomedical Applications**” in *International Conference in Electrical & Electronics Engineering(ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
 46. Attended a Plenary Lecture address by **Prof. S.C. Srivastava, IIT Kanpur, India** on “**Smart Management of Electricity Grid using Synchro-Phasor Technology**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 47. Attended a Plenary Lecture address by **Prof. K.S. Verma, Director, KNIT, Sultanpur, India** on “**Energy Management in India Perspective**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 48. Attended a Plenary Lecture address by **Prof. D. Thukaram, IISc Bangalore, India** on “**Application of SVMs and ANNs for Post-Fault Analysis and Restoration of Power Networks**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 49. Attended a Key Notes address by **Prof. D. P. Kothari, VIET, Vellore. Indore, India** on “**Energy and Environmental Problems Facing the Third World and Their Probable Solutions**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 50. Attended a Plenary Lecture address by **Prof. Bhim Singh, IIT Delhi, India** on “**Latest Trends in Wind Power and Pico Hydro Generation**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 51. Attended a Plenary Lecture address by **Prof. S.N. Singh, IIT, Kanpur, India** on “**Intelligent System Applications in Solving Engineering Problems**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
 52. Attended a Expert Lecture address by **Prof. Biswajeet Choudhary, Sr. Scientific Office-II, D.G.A.Q.A., HAL, Korwa, Sultnapur, (U.P.)-228118, India** on “**Motivation & its Effect in Life**”, *Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 23 April 2011.*
 53. Attended a Expert Lecture address by **Prof. Shashank Priya, Department of Material Science & Engineering, Virginia Tech, U.S.A.** on “**Energy Harvesting and Magnetolectric Composite**”, *Teach for Technocrats, C.S.A Hall, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 15 May 2011.*
 54. Plenary Talks by **Dr.H.B Gooi**, school of electrical & electronics engineering, *Nanyang Technological University, Singapore, “Sustainable, economic and secure electricity supply in Singapore” IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
 55. **Plenary Talks by Dr.S.P Chowdhury**, University of Cape Town, “**South Africa, Protection and Control of Domestic PV Based Micro-grids**” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
 56. **Plenary Talks by Dr.S. Winberg**, University of Cape Town, South Africa, “**Smart Wireless Networking Innovation Done Faster: Latest Trends in Wireless Network Development using Software Defined Radio and Cognitive Radio Techniques**” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095,*

India, 20-22 July 2011.

57. **Plenary Talks by Dr.Subir Kumar Sarkar** , Jadavpur University , India, “Nano devices and this impact on electronic systems,” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011)*, Department of Electrical &Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.
58. **Plenary Talks by Dr.Gopichand Bopparaju**, Manager, Grid Systems, R&D, ABB, Chennai , India, “VSC Based FACTS &HVDC: ABB’s Experience,” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011)*, Department of Electrical &Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.
59. Attended a Expert Lecture address by **Prof. D.S. Chauhan, Vice-chancellor, Utrakhand Technical University, Utrakhand, Dehradun, India** on “**Education with Religions**”, Department of Electrical Engineering, CSA HALL, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 19 July 2011.
60. Attended a Plenary Lecture address by **Prof. Ashish Dutta, Mechanical Engineering Department, IIT, Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
61. Attended a Plenary Lecture address by **Prof. B.M. Mohan,, Electrical Engineering Department, IIT, Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
62. Attended a Plenary Lecture address by **Prof. Debasish Ghosh,, Aerospace Engineering Department, IISc, Bangalore, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
63. Attended a Plenary Lecture address by **Prof. Indra Narayan Kar, Electrical Engineering Department, IITD, Delhi, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
64. Attended a Plenary Lecture address by **Prof. Indrani Kar, Electrical Engineering Department, IIT Guwahati, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
65. Attended a Plenary Lecture address by **Prof. K. Madhava Krishna, Electrical Engineering Department, IIIT Hyderabad, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
66. Attended a Plenary Lecture address by **Prof. K.S. Venkatesh, Electrical Engineering Department, IIT Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
67. Attended a Plenary Lecture address by **Prof. Laxmidhar Behra, Electrical Engineering Department, IIT Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
68. Attended a Plenary Lecture address by **Prof. Nischal Kumar Verma, Electrical Engineering Department, IIT Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
69. Attended a Plenary Lecture address by **Prof. Radhakant Padhi, Aerospace Engineering Department, IISc, Bangalore, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.

70. Attended a Plenary Lecture address by *Prof. Ramprashad Potluri, Electrical Engineering Department, IIT Kanpur, India* on **“QIP School on Intelligent Systems and Control 2011”** Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
71. Attended a Plenary Lecture address by *Prof. Swagat Kumar, Electrical Engineering Department, IIT Rajasthan, India* on **“QIP School on Intelligent Systems and Control 2011”** Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
72. Attended a Plenary Lecture address by *Er VK Agrawal, POSCO, New Delhi, India* on **“Operation & Management of Indian National Grid: Key Issues & Challenges”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
73. Attended a Plenary Lecture address by *Prof. S.C.Srivastava, Electrical Engineering Department, IIT Kanpur, India* on **“Synchrophasor Technology: Concept and Applications”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
74. Attended a Plenary Lecture address by *Prof. S.N.Singh, Electrical Engineering Department, IIT Kanpur, India* on **“Power Flow Analysis”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
75. Attended a Plenary Lecture address by *Prof. Ashwani Kumar, Electrical Engineering Department, NIT Kurukshetra, India* on **“Introduction to Power System Analysis Tools”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
76. Attended a Plenary Lecture address by *Prof. S.C.Srivastava, Electrical Engineering Department, IIT Kanpur, India* on **“Optimal Power Flow Studies”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
77. Attended a Plenary Lecture address by *Dr Seethalekshmi K, BBDU Lucknow, India* on **“Power Swing & Voltage Instability: Causes and Remedial Measures”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
78. Attended a Plenary Lecture address by *Dr Seethalekshmi K, BBDU Lucknow, India* on **“Adaptive Load Shedding Schemes Ensuring Frequency & Voltage stability”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
79. Attended a Plenary Lecture address by *Prof. S.N.Singh, Electrical Engineering Department, IIT Kanpur, India* on **“Flexible AC Transmission Systems: Concept and Applications”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
80. Attended a Plenary Lecture address by *Dr Saikat Chakraborti, Electrical Engineering Department, IIT Kanpur, India* on **“State Estimation in Emerging Power Systems and Technology”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
81. Attended a Plenary Lecture address by *Dr SK Singh, IIM Lucknow, India* on **“Power Sector in India: Issues, Challenges, and Opportunities”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
82. Attended a Plenary Lecture address by *Mr K Bhashakr, IIT Kanpur, India* on **“Role of Forecasting in Power System operation”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
83. Attended a Plenary Lecture address by *Dr Tripta Thakur, MANIT Bhopal, India* on **“Regulation and Security of Supply: A Global Perspective”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
84. Attended a Plenary Lecture address by *Dr Tripta Thakur, MANIT Bhopal, India* on **“Performance evaluation using productivity and efficiency analysis of the electric utilities: A case study of Indian Power Sector”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.
85. Attended a Plenary Lecture address by *Dr Ashwani Kumar, NIT Kurukshetra, India* on **“Load Frequency Control and Congestion Management”** Organized by Prof. S.N. Singh, STC on **“Operation and Management of Emerging Power System,”** EED, IIT Kanpur, India, 21-25th November 2011.

86. Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Wind Power Generation in Integrated and Islanded mode of operation**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
87. Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Recent Trends in Converter Technology in Power Systems**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
88. An expert lecture attended on the “**Overview of Digital Control System-I**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
89. An expert lecture attended on the “**Overview of Digital Control System-II**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
90. An expert lecture attended on the “**Introduction of Digital Design**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
91. An expert lecture attended on the “**Virtual Lab**” by **Dr. Vinod Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
92. An expert lecture attended on the “**Stability Analysis of Digital Control System-I**” by **Dr. Yogesh Vijay Hote, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
93. An expert lecture attended on the “**Design of Digital Controller-I**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
94. An expert lecture attended on the “**VHDL Programming**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
95. An expert lecture attended on the “**Basic Design using VHDL**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
96. An expert lecture attended on the “**Stability Analysis of Digital System-II**” by **Dr. Yogesh Vijay Hote, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
97. An expert lecture attended on the “**Design of Digital Controller-II**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
98. An expert lecture attended on the “**Digital Implementation on FPGA**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
99. An expert lecture attended on the “**Digital Circuit Design**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
100. An expert lecture attended on the “**Embedded Processor**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
101. An expert lecture attended on the “**Introduction to Simulink HDL Coder**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
102. An expert lecture attended on the “**Implementation of PID Controller on FPGA**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 03, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).

103. An expert lecture attended on the “**Demonstration of PID Controller Implementation**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 03, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
104. Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Wind Power Technology**” organized by *Department of Electrical Engineering and Electronics Engineering* on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**,” ETEEE-2011, *Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*
105. Attended a Plenary Lecture address by **Prof. D.P. Kothari, EED, IIT Delhi India** on “**Power Systems Operation and Control**” organized by *Department of Electrical Engineering and Electronics Engineering* on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**,” ETEEE-2011, *Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*
106. Attended a Plenary Lecture address by **Prof. D.P. Kothari, EED, IIT Delhi India** on “**Applications of AI Techniques to Power Systems**,” organized by *Department of Electrical Engineering and Electronics Engineering* on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**,” ETEEE-2011, *Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*
107. Attended a Plenary Lecture address by **Prof. Abhay Kumar Srivastava, EED, IIT Kanpur, India** on “**FACTS Controllers and its Applications**” organized by *Department of Electrical Engineering and Electronics Engineering* on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**,” ETEEE-2011, *Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*
108. Attended a Plenary Lecture address by **Prof. P. K. Dash, Professor, SOA University** on “**Intelligent Systems**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
109. Attended a Plenary Lecture address by **Shri. Abhay Samant, R&D Section Manager at National Instruments** on “**Communication Engineering Technology with focus on advancements in SDR, MIMO and Antenna Test Systems**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
110. Attended a Plenary Lecture address by **Prof. B. Yegnanarayana, Professor and Microsoft Chair, IIIT Hyderabad** on “**Challenges in processing natural signals like speech**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
111. Attended a Plenary Lecture address by **Prof. V. M. Gadre, Professor, IIT Bombay** on “**Wavelets and their use in systems**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
112. Attended a Plenary Lecture address by **Prof. S. Mukhopadhaya, Professor, IIT Kharagpur** on “**Ballistic Target Tracking: A Case Study of Real World Kalman Filtering**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
113. Attended a Plenary Lecture address by **Prof. G. Panda, Deputy Director, IIT Bhubaneswar** on “**Design, development and applications of intelligent instrumentation systems**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.
114. Attended a Plenary Lecture address by **Prof. P. N. Ghosh, VC, Jadavpur University** on “**High Precision Measurement with Diode Laser**” organized by *Department of Electrical Engineering and Electronics engineering* on “**National Systems Conference (NSC-2011)**,” IIT Bhubaneswar, 9-11 December 2011.

STUDIES/REPORTS:

1. Power Loss in Transmission System for 2008-2009. (2000).
2. Transmission System for Evacuation of Power from Singrauli and Rihand Super Thermal Power Station of National Thermal Power Corporation (2009).
3. 8th Five Year Plan (2010-11) Power System. (2005).
4. Short Circuit Studies for year 2007-08 (2006).

Annexure-VI**Workshop /Symposia/ Short term Courses/Seminar/Conferences/FDP Attended:**

1. National Conference on Technical Challenges in Power Systems, *KNIT Sultanpur, March 24-25 2006. (Tutorial Speaker).*
2. Workshop on Laboratory Teaching in Electrical Engineering (LTEE-06), *KNIT Sultanpur, India, November 24-26, 2006 (Valedictory session).*
3. National Conference on Electric Power Technology, Management and IT Application, *MMMEC Gorakhpur, February 17-18, 2006 (Keynote Speaker).*
4. 2nd International Conference on Power Systems (ICPS2007), *CPRI Bangalore, 12-14 December 2007.*
5. 15th National Power System Conference, *IIT Bombay (Mumbai), December 16-18, 2008.*
6. IEEE Conference & Exhibition on Control, Communication and Automation, *INDICON 2008, IIT Kanpur, 11-13 December, 2008.*
7. National Seminar on Non-Conventional Energy Resources & Its Application (NCERU09), February 27-28, 2009, *KNIT Sultanpur (Keynote Speaker).*
8. Attended the **short term courses** on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Prof. S.N. Singh, *QIP, Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.*
9. Attended the **short term workshop** on “**High Impact Teaching Skills**” organized by *WIPRO technologies, Mission 10X, Department of Electrical Engineering, KNIT, Sultanpur, India, during Nov.22-26, 2010.*
10. Attended the **National Seminar** on “**Computer Vision Syndrome**” organized by *National Society for the Prevention of Blindness-India, Ginni Devi Modi Community Ophthalmology Research Center, Modinagar, Ghaziabad, India, December 10, 2005.*
11. Attended the **short term workshop** on “**Teaching, Research, Administrative and Professional Contribution,**” organized by *Prof. L.U.B Pandey (Coordinator) and Prof. Deependra Singh (Convener), KNIT, Sultanpur, India, 18th May, 2011.*
12. Attended the **short term courses** on “**Digital Design Techniques: Application to Control Systems**” organized by *Department of Electrical Engineering, Indian Institute of Technology, Roorkee (IITR), Uttarakhand, India, during 30 May-03 June 2011.*
13. Attended the workshop on “**SERC School on Adaptive Control of Nonlinear Systems using Fuzzy and Neural Networks**” organized by Prof. L.D. Behera, *QIP, Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during October 5-9, 2011.*
14. Attended the workshop on “**Operation and Management of Emerging Power Systems**” organized by Prof. S.N.Singh, *QIP, Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during November 21-25, 2011.*
- 15.

Workshop /Symposia Short term Courses/Seminar/Conferences/FDP Organized:

1. Organizing Member of **National Seminar** on “**Non Conventional Energy Resources & its Utilization (NCERU 2009)**” organized by *Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur & IEEE UP Section, during Feb. 27-28, 2009.*
2. Co-Convener Member of **National Conference** on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**” organized by *Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188,India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*
3. Co-Convener Member of **workshop** on “**Application of MATLAB to power system and power electronics**” organized by *Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188,India, India during December 15-16, 2010.*

Awards/ Recognition/Appreciation/Prizes:

1. Received Appreciation letter from the Chairman, *Dr. KNMIET, Modinagar, U.P., India, 2006 for Good Managing of Department as a HEAD.*

2. Received Appreciation letter from the Director, *Krishna Engineering College, Mohan Nagar Ghaziabad, U.P., India, 2008 for Good Managing of Training and Placement Department as Placement Coordinator.*
3. Appreciation letter from Dean, *KEC, Ghaziabad, U.P., India for Good Results of First Year Electrical Engineering, 2008.*
4. Khosla Research Award (Gold) of *Roorkee University, Roorkee, India, 2001.*
5. I am receipt of best paper award of the *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur -273010, India, 25-26 March 2011.*

FOREIGN VISITS:

1. Visited Asian Institute of Technology (AIT), **Bangkok, Thailand,** for attended the IEEE International Conference on Electrical Power and Energy Management, during April 11-25, 2006.
2. Visited **KATHAMANDU, Nepal** for attended the International conference on Recent Technology in Electrical Engineering, during March 25-28, 2008.

CONTACT WITH FOREIGN PERSONS FOR RESEARCH WORKS:

1. **Dr. S. N. Singh** (*I. I. T. Kanpur*), Visiting Professor, Denmark Technical University, Denmark. (Email: snsingh@iitk.ac.in, snsingh93@gmail.com).
2. **Dr. Santosh Kumar Singh**, Associate Professor (*IT-BHU, Varanasi*), Research Scholar, UK. (Email: santosh_kumar@gamil.com).
3. **Prof. Shashank Priya**, Associate Professor, Department of Material Science & Engineering, Virginia Tech, U.S.A. (Email: shashank_priya@yahoo.com).
4. **Prof. (Dr.) S.A. Oke**, PhD, Department of Mechanical Engineering, University of Lagos, Nigeria (Email: sa_oke@yahoo.com).

Annexure-VII

Administrative Post Held/ Member Academic Bodies:

Institute Level:

1. Worked as a **Dy. O.C. Time Table** in the *Electrical Engineering Department, MMMEC, Gorakhpur, U.P., India, 2001-2002.*
2. Worked as a **Dy. O.C. Time Table/Project Incharge/Seminar Incharge/Practical Industrial Training Presentation Incharge** in the *Electrical Engineering Department, RKGIT, Ghaziabad, U.P., India, 2003-2004*
3. Worked as Officer-in-charge **EMMI LAB** in *RKGIT, Ghaziabad, U.P., India, 2003-2004.*
4. Worked as a **Head of Department (HOD)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2006.*
5. Worked as a **WARDEN** of Sarojani Girls Hostel, *Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2006.*
6. Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2006.*
7. Worked as **TRAINING AND PLACEMENT OFFICER**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
8. Worked as Officer-in-charge **POWER ELECTRONICS LAB**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
9. Worked as **DEAN (DSW)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
10. Worked as **DEAN (ACADEMIC)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2005 to June 2006.*
11. Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, 2005-2006.*
12. Worked as a **Project /Seminar/ Practical Industrial Training Presentation/O.C. Time Table** in the *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, 2004-2006.*
13. Worked as a **Project /Seminar/Practical Industrial Training Presentation/O.C. Time Table** in the *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2009.*

14. Worked as Officer-in-charge **POWER SYSTEMS LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2007.*
15. Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2007.*
16. Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2007-2008.*
17. Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2008-2009.*
18. Worked as Officer-in-charge **ELECTRICAL MACHINES LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2007-2008.*
19. Worked as Officer-in-charge **SIMULATION LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2008-2009.*
20. Worked as a **Deputy Project Coordinator/Practical Industrial Training Presentation Incharge/Deputy O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: 2009-2010.*
21. Member of Departmental Representative for project preparation of **WBTEQIP-II**, *KNIT Sultanpur-228118(U.P.), India, 2010.*
22. Working as a **hostel warden** for **Maiteeye Girls Hostel**, *KNIT Sultanpur-228118(U.P.), India. From 10-06-2010 to 15/06/2011.*
23. Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *KNIT Sultanpur-228118(U.P.), India. From 10-06-2010 to 15/06/2011.*
24. Working as a **hostel warden** for **Gargi Girls Hostel**, *KNIT Sultanpur-228118(U.P.), India. From 16-06-2011 to till date.*
25. Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *KNIT Sultanpur-228118(U.P.), India. From 16-06-2010 to till date.*
26. Worked as a **Deputy Project Coordinator/Practical Industrial Training Presentation Incharge/Deputy O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: 2010-2011.*
27. Worked as Officer-in-charge **POWER SYSTEM LAB** in *KNIT, Sultanpur, U.P., India, session: 2009-2010.*
28. Worked as Officer-in-charge **NETWORK LAB** in *KNIT, Sultanpur, U.P., India, session: 2009-2010.*
29. Worked as Officer-in-charge **POWER SYSTEM LAB** in *KNIT, Sultanpur, U.P., India, session: 2010-2011.*
30. Worked as Officer-in-charge **ELECTRICAL SIMULATION LAB** in *KNIT, Sultanpur, U.P., India, session: 2010-2011.*
31. Worked as Officer-in-charge **ELECTRICAL MACHINE LAB** in *KNIT, Sultanpur, U.P., India, session: 2011-2012.*
32. Worked as **Deputy-Coordinator** for Security of Students **"ENFLUENCES-2011"** at *KNIT, Sultanpur, U.P., India, 13-16th October 2011.*
33. Worked as a member of **FOOTBALL COMMITTEE "TVARAN'2011" a National Level Sports Meet** at *KNIT, Sultanpur, U.P., India, 04-06th November 2011.*
34. Worked as a member of **DISCIPLINE COMMITTEE "TVARAN '2011" a National Level Sports Meet** at *KNIT, Sultanpur, U.P., India, 04-06th November 2011.*
35. Worked as a member of **VISIT COMMITTEE** of **"AICTE 2011 and UGC2011 Team"** for Autonomous of the *KNIT Sultanpur, U.P.-228118, India, 08th November 2011.*
- 36.

University Level:

1. Worked as a **Nodal officer In charge** for Management Kota Admission at *SRMS, Modinagar, Ghaziabad, U.P., India, UPTU, June 2004.*
2. Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis & Synthesis and Basic Systems Analysis for evaluation work (*UPTU, Lucknow*) at *IPEC, Ghaziabad, U.P., India, UPTU, June 2006.*
3. Worked as Flying Squad Member in *U.P. Technical University, Lucknow, U.P., India, Even Semester Examination, 2006-07.*
4. Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis & Synthesis for evaluation work (*UPTU, Lucknow*) at *IPEC, Ghaziabad, U.P., India, January 2007.*
5. Worked as Flying Squad Member in *U.P. Technical University, Lucknow, U.P., India, Even Semester Examination, 2007-08.*
6. Worked as Flying Squad Group Leader in *U.P. Technical University, Lucknow, U.P., India, Special Carryover Semester Examination, 2007-08.*

7. Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis& Synthesis and Basic Systems Analysis for evaluation work (UPTU, Lucknow) at ABES Engineering College, Ghaziabad, U.P., India, July 2008.
8. Worked as a **Centre Controller** for UPTU SEE'08 at I.E.T., Lucknow, U.P., India, 18-19 April 2008.
9. Worked as Flying Squad Group Leader in U.P. Technical University, Lucknow, U.P., India, Odd Semester Examination, 2008-09.
10. Worked as a **Centre Controller** for UPTU SEE'08 at MMMEC, Gorakhpur, U.P., India, 18-19 April 2009.
11. Worked as **Dy. Coordinator** Re-evaluation for Banaras Hindu University, IT BHU, U.P., Varanasi, India, at KNIT Centre in Semester Examination 2008-09.
12. Worked as **Dy. Coordinator** Re-evaluation for Banaras Hindu University, IT BHU, U.P., Varanasi, India, at KNIT Centre in Semester Examination 2009-10.
13. Worked as a **Head Examiner (HEAD EXAMINAR)** for Network Analysis& Synthesis and Basic Systems Analysis for evaluation work (UPTU, Lucknow) at KEC, Ghaziabad, U.P., India, January 2010.
14. Worked as a **Paper setter / practical / Project examiner** in Uttar Pradesh Technical University, Avadh University, and Gorakhpur University, 2006-2009.
15. Worked as a **Centre Controller** for UPTU SEE'2010 at MMMEC, Gorakhpur, U.P., India, 17-18 April 2010.
16. Worked as a **Paper setter / practical / Project examiner** in Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, Jaunpur, 2010.
17. Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) in G.B. Technical University, Lucknow, June, 2010.
18. Worked as a **Head Examiner (HEAD EXAMINAR)** for the Subjects of EHVAC&DC Transmission, PSOC, High Voltage Engineering, Advanced Control Systems, Digital Control Systems, Switchgear and Protective Relaying, for M.Tech. regular (G.B. Technical University) for evaluation work at KNIT, Sultanpur, U.P., India, August 2010.
19. Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) in G.B. Technical University, Lucknow, September, 2010.
20. Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) +B. Tech in G.B. Technical University, Lucknow, November, 2010.
21. Worked as a **Paper setter / practical / Project examiner** in HBTI, Kanpur, Deemed University, December, 2010.
22. Worked as a **Paper setter / practical / Project examiner** in Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, Jaunpur, December, 2010.
23. Worked as a **Paper setter / practical / Project examiner** in Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, December 2010-January, 2011.
24. Worked as a **Examiner** for EEE-501 (EMEC-II) and EIPC-502 (IPC) for evaluation work (GBTU Lucknow) at KNIT, Sultanpur, U.P., India, January 2011.
25. Worked as a **Head Examiner (HEAD EXAMINAR)** for EEE-503 (Elements of Power Systems) and TEE-701 (Switchgear &Protection) for evaluation work (GBTU Lucknow) at KNIT, Sultanpur, U.P., India, January 2011.
26. Worked as a **NODAL OFFICER** for Mahamaya Technical University (MTU), UPSEE'2011 at BIT Muzzaffarnagar, U.P., India, 14-17 April 2011.
27. Worked as a **Head Examiner (HEAD EXAMINAR)** for carry over papers of EMEC-I, EMEC-II, Element of Power Systems, Switchgear &Protection, IPC, Electrical Machine Design, Control Systems-I, for evaluation work (Vir Bahadur Singh Purvanchal University, Jaunpur) at KNIT, Sultanpur, U.P., India, April 2011.
28. Worked as a **Paper setter** in Gautama Buddha Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, April- May, 2011.
29. Worked as a **practical examiner** for **NETWORK LAB and EMEC-I LAB** in EED of Vir Bahadur Singh Purvanchal University, 2nd May, 2011.
30. Worked as a **practical examiner for Electrical Engineering Lab** in EED of Vir Bahadur Singh Purvanchal University, 4th May, 2011.
31. Worked as a **practical examiner** for **Control System Lab** in EED of MJP Rohilkhand University, Bareilly, 19-20 May, 2011.
32. Worked as a **Practical Examiner** for EEE-451 (EMEC-I Lab) and EEE-251 (EE Lab) for practical examinations (GBTU Lucknow) at IIMT Meerut, and VBCET, Kanpur, U.P., India, June 2011.
33. Worked as a **Head Examiner (HEAD EXAMINAR)** for EEE-401 (EMEC-I), and EEEE-402 (Network Analysis& Synthesis) for evaluation work (GBTU, Lucknow) at KEC, Mohan Nagar, Ghaziabad, U.P., India, June-July 2011.
34. Worked as a **OBSERVER** of MTU counseling of B.Tech., MBA, MCA at KNIT Sultanpur, U.P., India, 21-27 July 2011.
35. Worked as a **COUNCELOR OFFICER** of MTU counseling of B.Tech., MBA, MCA at KNIT Sultanpur, U.P., India, 28 July-

16 August 2011.

36. Worked as a **Deputy Coordinator** for Paper setting of M.Tech. Part Time (Power Systems Engg.), KNIT, Sultanpur, India of *Gautama Buddha Technical University, Lucknow, September 2011.*
37. Worked as a **Deputy Coordinator** for Paper setting of B.Tech. I, III, V, VII Semesters of Electrical Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-501, EEE-502, EEE-507, EEE-031, EEE-701, and EEE-703) in *Gautama Buddha Technical University, Lucknow, October 2011.*
38. Worked as a **Deputy Coordinator** for Paper setting of B.Tech. I, III, V, VII Semesters of Electrical Engineering Subjects (TEE-101, TEE-301, TEE-302, TEE-303, TEE-501, TEE-502, TEE-503, TEE-701, TEE-702, and TEE-703) in *Gautama Buddha Technical University, Lucknow, October 2011.*
39. Worked as a **Deputy Coordinator** for Re-evaluation of B. Tech. I, III, V, VII Semesters of Electrical Engineering, Mechanical Engineering, Electronics and Communication Engg, Applied Science & Humanities Department subjects in IT BHU Varanasi, India, November 2011.
40. Worked as a **Co-Coordinator** of Paper setter of Subjects of Electrical Engineering Department and Electrical & Electronics Engineering in *Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, January-March, 2012.*
41. Worked as a **Deputy Coordinator** for Paper setting of B.Tech. II, IV, VI, VIII Semesters of Electrical Engineering and Electronics & Communication Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-303, EEE-501, EEE-502, EEE-503, EEE-701, EEE-702, and EEE-703) in *Gautama Buddha Technical University, Lucknow, March 2012.*

UGC/AICTE/ Others Level:

Annexure-VIII

Session Chair in Seminar/Conference/Others Activities

Session Chair in National/International Seminar:

1. Worked as a chair person of technical session-III papers presentation in **National Seminar** on “**Computer Vision Syndrome**” organized by *National Society for the Prevention of Blindness-India, Ginni Devi Modi Community Ophthalmology Research Center, Dr. KNMIET, Modinagar, Ghaziabad, India, December 10, 2005.*

Session Chair in National/International Conference/ Session Chair in others Activities:

1. Worked as a **CHAIR PERSON** of technical session-IV papers presentation in *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur -273010, India, 25-26 March 2011.*
2. Worked as a **CHAIR PERSON** of technical session-II papers presentation in *International Conference in Electrical & Electronics Engineering (ICAEET-2011) at Moradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
3. Worked as a **CHAIR PERSON** of technical session-VI papers presentation in *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G.R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
4. Worked as a **CHAIR PERSON** of technical session-VIII papers presentation in *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G.R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
5. Worked as a **CHAIR PERSON** of technical session-V papers presentation in *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and Department of Electrical Engineering Jalpaiguri Govt. Engineering College, Jalpaiguri, 25-26 March, 2011, West Bengal, India-735102.*
6. Worked as a **CHAIR PERSON** of technical session-II papers presentation in *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and*

Annexure-VIV**RESEARCH PROJECTS HANDLED:**

| S. No. | Name of Project | Status | Sponsoring Agency | Amount | Other investigators |
|--------|--|----------|-------------------|------------|---------------------|
| 1 | Optimal location of FACTS controllers in Emerging Power Systems | finished | AICTE | Rs.5 Lacks | Prof. N.K. Sharma |
| 2 | Optimal location of Distributed Generations in Large-Scale Power Systems | finished | MHRD | Rs.8 Lacks | Prof. A.N. Tiwari |

SOFTWARE HANDLED:

1. WASP Version III / Extended LINDO
2. Matpower 4.0 (load flow analysis)
3. Electro Magnetic Transient Programming (EMTP)
4. Power System Studies (Load Flow, Short Circuit, Stability)
5. Parallel Self-Organizing Hierarchical Neural Networks (PSHNN)
6. PSCAD/EMTDC
7. MATLAB Toolbox
8. Power World (Power System Simulation Package)